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1. Virological Laboratory, The Pasteur Institute of Epidemiology,
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Research Institute of Pediatrics; and the Children's Infections
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ADAMESTEANU, I. (Rumyniya); ADAMESTEANU, C. (Rumyniya); POPESCU, E. (Rumyniya);
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(MIRA 16:6)

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✓ 3245. Dinea, F., and Bolea, N., On the torsion of cylindrical beams of doubly-connected cross section (in Roumanian), *Studii si Cercetari Mecan. Appl.* 9, 3, 733-739, 1958.

Solution is given for the torsion of cylindrical beams of doubly connected cross section when the function that yields the conformal mapping of the cross section on a circular rim is previously given. Numerical applications for the domains bounded by regular polygons are included.

P. P. Teodorescu, Roumania

3

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Telecontrol of treatment processes of wood by hydro-and hygro-
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ing.

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BOICU, N., OPRIS, O.

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axial stressed tubes, with application to the cylinder
calculation of a manometer with piston and weights. Metrologia
apl 11 no. 1: 12-19 Ja '64.

80422

RUM/8-59-1-19/24

24,4/100

AUTHORS: Dincă, F., Boicu, N.

TITLE: On the Torsion of Some Nonhomogeneous Cylindrical Bars ²⁶

PERIODICAL: Studii si Cercetări de Mecanică Aplicată, 1959, Nr 1, pp 265 - 270 (RUM)

ABSTRACT: The torsion problem of a cylindrical bar with cylindrical inclosures of different materials can be solved by a general formula, as follows: Considering a normal section (Figure 1) in which C_1 is the trace of the external cylindrical surface, C_1 is the trace of the cylindrical surface which separates the characterized material by the shearing module μ_1 , S_1 is the internal field of C_1 and S_1 is the internal field of C_1 , the problem can be solved by determining a harmonic φ function in $\sum_{i=1,2,3...} S_i$, while fulfilling the following conditions:

$$\frac{d\varphi}{dn} = ye - xm \text{ in } C_1,$$

$$\varphi \text{ continuous in } S = \sum_{i=1,2...} S_i, \mu_1 \left(\frac{d\varphi}{dn} \right)_1 - \mu_1 \left(\frac{d\varphi}{dn} \right)_i = (\mu_1 - \mu_i)(ye - xm)$$

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$\mu_{C_1}, i = 1, 2, \dots$

(1).

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If the function φ is known, all values characterizing the torsion can be determined by elementary operations according to the formulae:

$$x_z = \tau \mu_1 \left(\frac{\partial \varphi}{\partial x} - y \right), \quad y_z = \tau \mu_1 \left(\frac{\partial \varphi}{\partial y} + x \right),$$

$$D = \sum_{i=1,2,\dots} \iint_{S_i} \mu_i (x^2 + y^2 + x \frac{\partial \varphi}{\partial y} - y \frac{\partial \varphi}{\partial x}) dx dy \quad (2).$$

Effective solutions of this problem have been supplied by I.N. Vecua [Ref 4], A.K. Rukhadze [Ref 3], N.I. Mushelishvili [Ref 2] and others. Subject article deals with the determination of the complex function, the real part of which corresponds to the conditions given by the formula (Nr 1) for the special case of two different materials, if the function is known which transforms suitably the sections $S_1 + S_2$ of the unitary circle, so that C_1 and C_2 are transformed into two concentric circles, the one with the radius 1 and the other with the radius $a < 1$ (Figure 2).

$$z = \sum_{n=0}^{\infty} d_n \zeta^n \quad (3)$$

is the transformation function. The problem can be solved if a function $f(\zeta)$ will be determined, which is defined by:

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$$f(\zeta) = \begin{cases} f_1(\zeta) & \zeta \in S_1' \\ f_2(\zeta) & \zeta \in S_2' \end{cases} \quad (4),$$

so that the conditions (Nr 5) are satisfied:

$$\begin{aligned} \operatorname{Im} f_1(\zeta) &= \frac{z\bar{z}}{2} + K_1 \text{ on } C_1', \quad \operatorname{Re} f_1(\zeta) = \operatorname{Re} f_2(\zeta) \text{ on } C_2', \\ \mu_1 [\operatorname{Im} f_1(\zeta)] - \mu_2 [\operatorname{Im} f_2(\zeta)] &= (\mu_1 - \mu_2) \frac{z\bar{z}}{2} + K_2 \text{ on } C_2'. \end{aligned} \quad (5)$$

Introducing the functions:

$$\begin{aligned} f_1(\zeta) &= \sum_0^{\infty} \left(a_n \zeta^n + \frac{b_n}{\zeta^n} \right), \\ f_2(\zeta) &= \sum_0^{\infty} c_n \zeta^n, \end{aligned} \quad (6)$$

into the limit conditions (Nr 5), the author obtains for the determination of the constants:

$$a_n = \alpha_n + i\beta_n, \quad b_n = \gamma_n + i\delta_n, \quad c_n = \eta_n + i\nu_n \quad (7)$$

an infinite system of algebraic linear equations of a particular shape. By solving this system he obtains:

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$$\delta_n = -\frac{1}{2} \frac{(\mu_1 - \mu_2)(a^n L_{1n} - L_{2n})}{a^{-n}(\mu_1 + \mu_2) - a^n(\mu_1 - \mu_2)},$$

$$\nu_n = \frac{1}{2} L_{1n} - \delta_n (1 + a^{-2n}),$$

$$\beta_n = \frac{1}{2} L_{1n} - \delta_n,$$

(8).

$$\tau_n = \frac{1}{2} \frac{(\mu_1 - \mu_2)(a^n M_{1n} - M_{2n})}{a^{-n}(\mu_1 + \mu_2) - a^n(\mu_1 - \mu_2)},$$

$$\eta_n = \frac{1}{2} M_{1n} + \tau_n (1 + a^{-2n}),$$

$$\alpha_n = \frac{1}{2} M_{1n} + \tau_n,$$

The problem is solved by the method of Fourier. The series (Nr 6) with the coefficients given by (Nr 8) represent the effective solution of the problem.

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The first and fourth formulae of (Nr 8) become more simple if

$$\lambda_1 = \frac{\mu_1 - \mu_2}{\mu_1 + \mu_2} \ll 1, \quad (9)$$

so that λ_1^n for $n \geq 2$ can be neglected in ratio of λ_1 , and if

$$\lambda_2 = \frac{\mu_1}{\mu_2} \ll 1, \quad (11)$$

so that λ_2^n can be neglected for $n \geq 2$, against λ_2 . The rigidity of the bar is given by:

$$D = \mu_1 I_{p1} + \mu_2 I_{p2} + \frac{\pi \mu_1}{2} \sum_{n=1}^{\infty} n [L_{1n} (\delta_n - \beta_n) - M_{1n} (\alpha_n + \gamma_n)] + \frac{\pi (\mu_1 - \mu_2)}{2} \sum_{n=1}^{\infty} n \alpha_n [M_{2n} \gamma_n + L_{2n} \nu_n]. \quad (13).$$

The stress can be computed by simple derivations in accordance with the formula (Nr 2). By making equal $\mu_1 = \mu_2$ the formulae derived by I.S. Sokolnikof [Ref 5] are obtained for the homogeneous cylindrical bar. Applications: Taking for the transformation function (Nr 3) the series given by the formula of Schwartz-Christoffel, which transforms the unitary circle into a polygon with p sides, one obtains:

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$$d_{kp+1} = \left[1 - \frac{p-2}{2} - \dots - \frac{(p-2) 2 \dots (1 p(2-k) - 2)}{p^k k!} \right] \frac{1}{kp+1} \quad (14).$$

Taking successively for $p = 4, 6, 12$ and $a = 0.95$, the author obtains the results shown by the table on page 269.

There are: 3 sets of diagrams, 1 table and 5 references, 2 of which are English, 2 Russian and 1 French.

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22249
R/008/60/000/005/008/014
A231/A126

AUTHORS: Dincă, Fl., and Boicu, N.

TITLE: Calculation of elastic-dynamical properties of circular cylindrical tubes in the presence of axisymmetrical load

PERIODICAL: Studii și Cercetări de Mecanică Aplicată, no. 5, 1960, 1201 - 1217

TEXT: The authors describe a general solution for the axisymmetrical dynamical load in cylindrical tubes. Different solutions have been developed by Mitchel, Love, B. G. Galerkin, Grodtskiy, Marguerre, Cree and Vebel but no general solution was given yet. The theoretical equations of a displacement elasticity for an axisymmetric load of a cylindrical tube are presented by

$$\begin{aligned} (\lambda + 2\mu) \left(\frac{\partial^2 u}{\partial r^2} + \frac{1}{r} \frac{\partial u}{\partial r} - \frac{u}{r^2} \right) + 2\mu \frac{\partial^2 u}{\partial z^2} + \lambda \frac{\partial^2 w}{\partial r \partial z} &= \rho \frac{\partial^2 u}{\partial t^2}, \\ (\lambda + 2\mu) \frac{\partial^2 w}{\partial z^2} + 2 \frac{\partial^2 u}{\partial r \partial z} + 2\mu \frac{\partial^2 w}{\partial r^2} + \frac{\lambda}{r} \frac{\partial u}{\partial z} + 2 \frac{\mu}{r} \frac{\partial w}{\partial r} &= \rho \frac{\partial^2 w}{\partial t^2}. \end{aligned} \quad (1)$$

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In these equations u is the radial displacement, w the axial displacement, λ and μ are the constant of Lamé, and ρ the material density. The stresses are expressed by Hooke's law and the limit conditions are given. Supposing that in the initial moment the body is free of stresses and at rest, $u =$

$\frac{u}{t} = w \frac{w}{t} = 0$, for $t = 0$. For the solution of the problem the authors use the Laplace transformation. The problem has thus been reduced to a system with the limit conditions given in formula

$$\begin{aligned} r=r_0: \bar{R}_r &= \bar{f}_0(z, p); \bar{R}_z = \bar{g}_0(z, p), \\ r=r_1: \bar{R}_r &= \bar{f}_1(z, p); \bar{R}_z = \bar{g}_1(z, p), \\ z=0: \bar{Z}_r &= \bar{f}_2(r, p); \bar{R}_z = \bar{g}_2(r, p), \\ z=c: \bar{Z}_r &= \bar{f}_3(r, p); \bar{R}_z = \bar{g}_3(r, p). \end{aligned} \quad (7)$$

In relațiile (5) c_1 , c_2 și c_3 sint

$$c_1^2 = \frac{\lambda + 2\mu}{\rho}; \quad c_2^2 = \frac{2\mu}{\rho}; \quad c_3^2 = \frac{\lambda}{\rho}. \quad (8)$$

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R/008/60/000/005/008/014

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In the further development Bessel functions are used. The functions J_1 and Y_1 are Bessel functions of the first order of the I and II kind. Formula

$$\begin{aligned} \bar{w} = \sum_j \{ & [C'_{1kp} J_0(\omega_1 r) + C'_{2kp} J_0(\omega_2 r) + \\ & + C'_{3kp} Y_0(\omega_1 r) + C'_{4kp} Y_0(\omega_2 r)] \sin Kz + \\ & + [K'_{1kp} J_0(\omega_1 r) + K'_{2kp} J_0(\omega_2 r) + K'_3 K_p Y_0(\omega_1 r) + \\ & + K'_{4kp} Y_0(\omega_2 r)] \cos Kz \}, \end{aligned} \quad (26)$$

unde constantele C'_{ikp} și K'_{ikp} sînt

$$\begin{aligned} C'_{1kp} &= \mathcal{A} C_{1kp}, & C'_{2kp} &= \mathcal{B} C_{2kp}, \\ C'_{3kp} &= \mathcal{A} C_{3kp}, & C'_{4kp} &= \mathcal{B} C_{4kp}, \\ K'_{1kp} &= \mathcal{A} K_{1kp}, & K'_{2kp} &= \mathcal{B} K_{2kp}, \\ K'_{3kp} &= \mathcal{A} K_{3kp}, & K'_{4kp} &= \mathcal{B} K_{4kp}, \\ \mathcal{A} &= -\omega_1^2 + D \omega, \\ \mathcal{B} &= -\omega_2^2 + D \omega_3. \end{aligned} \quad (27)$$

permits the complete solution of the problem in which the effect of the ends has been neglected. On the basis of (27), the representations can be found

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X

in the form of some trigonometrical series. Identifying these series with those given by the limit conditions (7) for the coefficients C_{1kp} , C_{2kp} , C_{3kp} and C_{4kp} , one obtains a linear algebraic system of 4 equations and a corresponding system for the coefficients K_{1kp} , K_{2kp} , K_{3kp} and K_{4kp} . By the theorem of Laplace, one finally obtains an integral equation, leading to the final result as given in

$$\frac{2\mu}{Pr_0} u = \begin{cases} \frac{r_0}{r} \frac{r^2 + (2\gamma - 1)r_1^2}{(2\gamma - 1)(r_1^2 - r_0^2)} - \frac{F(i\omega)}{G(i\omega)} \cos \omega + \\ + 2 \sum_{n=1}^{\infty} \frac{F(i\alpha_n) \left[1 - \frac{\alpha_n^2}{\omega^2}\right]^{-1} J(r_0) J(r_1) \cos \alpha_n t}{J(r_1) \left[\frac{\alpha_n^2 \gamma^2 r_0^2}{a^2} - 2\gamma + 1\right] - J(r_0) \left[\frac{\alpha_n^2 \gamma^2 r_1^2}{a^2} - 2\gamma + 1\right]} \\ \text{pentru } 0 < r < \tau \end{cases} \quad (47)$$

$$2 \sum_{n=1}^{\infty} \frac{F(i\alpha_n) \left[1 - \frac{\alpha_n^2}{\omega^2}\right]^{-1} J(r_0) J(r_1) [\cos \alpha_n t - \cos \alpha_n (t - \tau)]}{J(r_1) \left[\frac{\alpha_n^2 \gamma^2 r_0^2}{a^2} - 2\gamma + 1\right] - J(r_0) \left[\frac{\alpha_n^2 \gamma^2 r_1^2}{a^2} - 2\gamma + 1\right]} \\ \text{pentru } t > \tau$$

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For the practical use of the preceding expressions there are some simplified representations of the functions $F(p)$ and $G(p)$. In case that $\tau > 10^{-4}$, the solution of the problem can be expressed by

$$\frac{2\mu}{pr_0} u = \begin{cases} \frac{r_0}{r} \frac{r^2 + (2\gamma - 1)r_1^2}{(2\gamma - 1)(r_1^2 - r_0^2)} \left(1 - \cos \frac{2\pi}{\tau} t\right), & \text{pentru } 0 < r < \tau \\ 0 & \text{pentru } t > \tau \end{cases} \quad (60)$$

Thus, the elastic displacement is expressed by a factor corresponding to a pressure which is equal to the statically applied unity, multiplied by a time function given by the variation law of the load. Based on formula (60) practical calculation has been carried out for a cylinder with the following specifications:

$$r_0 = 0.38 \text{ cm}; r_1 = 0.7 \text{ cm}; E = 2.110^6 \frac{\text{kg}}{\text{cm}^2}; G = 8.110^5 \text{ kg/cm}^2$$

$$\lambda = 8.110^5 \text{ kg/cm}; \mu = 8.110^5 \text{ kg/cm}^2; \gamma = 1.5; a = 5.529 \cdot 10^5 \text{ cm/s} \quad (61)$$

leading to the final result:

$$u = \frac{Pr_0}{2\mu} \{ 1.16 - 0.0003 \}. \quad (64)$$

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Applying the Laplacian transformation, the authors reduce the problem to a system of differential equations, which by means of the Fourier method leads to a linear differential equation with variables of the fourth order, the general solution of which is performed by Bessel functions of the first order belonging to the first and second kind. In particular one case has been investigated: when a plane phenomenon and a load is produced through shock pressure effecting the internal surface. The static effect is separated from the dynamic effect, and the dependence of the dynamic effect on the duration of the load effect is elaborated. The theoretical results were demonstrated in practical calculation of the load effect in a steel tube of the given dimensions. There are 3 figures and 8 references: 6 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: A Gray, G. B. Methews, "Bessel functions and their applications to physics" Moscova, 1951.

Card 5/6

BOICU, N., ing.

On the possibility of measuring the stresses in hollow, twisted, cylindrical bars, by the membrane analogy method. Metrologia
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DASKALOV, Khristo, inz.; BOIDEV, Veselin, inz.

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1. Zavod za rezervni chasti "Todor Petrov", Sofia.
2. Predsedatel na Nauchnoto tekhnichesko druzhestvo v
Zavoda za rezervni chasti "Todor Petrov", Sofia.

GOSZTONYI, Sándor; LEHR, Ferenc, a muszaki tudományok kandidátusa;
FICHTNER, Kurt; MARECKI, Jacek, prof., dipl. ing. (Lengyelország);
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KIEFER, Erich; BOJE, Werner, prof., dr. ing. (Német Demokrati-
kus Köztársaság); BOSNIC, Cedomir (Jugoszlávia); ZILBER,
Aleksander (Lengyelország); GRUBER, S.M. (Anglia); STANCESZKU,
Ian, prof. (Románia); BONKALO, Tamas, dr.; ENDRENYI, Sándor;
KATONA, Kalman; KOHARY, Lajos

Rationalization in power utilization in the field of the light
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1. Könyvkiadói Minisztérium helyettes főosztályvezetője (for
Gosztonyi). 2. Könyvkiadói Tervező Iroda (for Lehr). 3. Textil-
ipari Kutató Intézet (for Bonkalo). 4. Papíripari Kutató Intézet
(for Endrenyi).

BOIERIU I

HATIBGANU, I.; COSMA, V.; VESTEA, St.; TANASESCU, R.; BOIERIU, I.; POPESCU, St.;
topan, M.

Aspects of dyskinesia of the large intestine in neuroses. Med. int.,
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1. Lucrare efectuata in Clinica Medicala I.P.S.M.F., Cluj.
(NEUROSES, manifestations
dyskinesia of large intestine, pathogen., ther. & case
reports)
(INTESTINE, LARGE, diseases
dyskinesia in neuroses, pathogen., ther. & case reports)

COUNTRY	:	Rumania	H-25
CATEGORY	:		
ABS. JOUR.	:	RZKhim., No. 5 1960, No.	19662
AUTHOR	:	Boieriu, I.	
INST.	:	Not given	
TITLE	:	Improving the Quality of Edible Vegetable Oils by Deodorization	
ORIG. PUB.	:	Ind Aliment Prod Veget, 11, No 2, 50-56 (1959)	
ABSTRACT	:	The importance of proper preparation of vegetable oils for deodorization and of the removal of O₂ from the oils is stressed and the physicochemical characteristics of the steam distillation of volatile substances are discussed, after which the author describes the principle of operation of the equipment, including continuous operation [sic]. A flow sheet is given for a semicontinuous plant for the deodorization of vegetable oils, using a Dowtherm type heater and recommended by the author	
CARD:	1/2	345	

BOIKIYEV, Sv., Dots.; DEIANOV, D., starshii asistent; SOFIANSKI,
mladshii asistent

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1. Institut za spetsialisatsiia i usuvurshenstvuvane na lekari.
Katedra na bolestite na ukhoto, nosa i gurloto.
(BRONCHI, neoplasms,
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(BRONCHOSCOPY, in various diseases,
*bronchial cancer)

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prof. Sv. Boikikev.

(LARYNX, neoplasms,
diag., macroscopic & x-ray methods (Bul))

BOIKIKEV, Sv., prof.

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Obshchearmeyskaya bol'nitsa)

Effect of Soviet medicine on the introduction of physiotherapy in
the Bulgarian army. Voen-med. zhur. no.2:88-90 F '56

(MLRA 10:5)

(PHYSICAL THERAPY,

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Bulgarian army) (Rus)

(MEDICINE, MILITARY AND NAVAL)

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(RHEUMATIC FEVER ther.)

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The collective of the V.Chervenkov Metal-Cutting Machine Plant discloses new reserves within the factory. p. 55.

Economic Anschluss of Austria with Western Germany. Tr. from the Russian. p. 60.

(TEZHKA PROMISHLENOST. Vol. 4, No. 2, 1955)

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4, No. 9, Sept. 1955, Uncl.

BOIKINSKI, P.

Previously planned repairs in machine construction enterprises.
p.43. TEZHKA PROMISHLENOST. (Ministerstvo na tezhkata promishle-
nost) Sofia. Vol. 5, no. 1, 1956

SOURCE: East European Accessions List, (EEAL), Library of
Congress, Vol. 4, no. 12, December 1955.

BOIKINSKI, P.

Boikinski, P. Revealing productive internal reserves in the Anton Ivanov Refrigerator Factory. p.56.

Vol. 4, no. 10, 1955 TEZHKA PROMISHLENOST Sofiya, Bulgaria

SU: Monthly List of East European Accessions, (MEAL), LC, Vol. 5, No. 2
February, 1956

BOIKO, F. inzh. .

Tha Cherepanova. Transp delo 6 no.9/10:90 '54.

BOIKOV, B.; NAIDENOVA, S.

Rimifon in complex therapy of tuberculous meningitis in children.
Suvrem.med., Sofia 6 no.8:84-90 1955.

1. Iz Okrushnata bolnitsa gr. Vratsa (gl. lekar: Khr.Edravkov)
(TUBERCULOSIS, MENINGEAL, in infant and child,
ther., rimifon)
(NICOTINIC ACID ISOMERS, therapeutic use,
rimifon in meningeal tuberc. in child.)

BOIKOV, B.

Flour hypotrophy. Suvrem. med., Sofia 7 no.11:45-51 1956.

1. Iz detskoto otdelenie pri bulgarskata bolnitsa v KNDR.
(INFANT NUTRITION DISORDERS, etiology and pathogenesis,
rice flour feeding of Korean inf. (Bul))

BOIKOV, D.

"Forthcoming work in the Bulgarian orchards."p 22, (KOOPERATIVNO ZEMEDELIE, Vol 6, #1/2, Jan/Feb 1951, Bulgaria)

East European Vol 2 #8
SO: Monthly List of Russian Accessions, Library of Congress, August 1953, Uncl.

BOIKOV, D

"Michurin's methods of creating new fruit species", p 120 (SOOPERATIVNO ZEMELIE,
Vol 6 #4, Apr. 1951, Bulgaria)

East European Vol 2 #8
SO: Monthly List of ~~RUSSIAN~~ Accessions / Library of Congress, August 1953, Uncl.

BOIKOV, D.

"Michurin's Methods of Sexual Hybridization. p. 166" (KOOPERATIVNO ZEMEDELIE)
Vol. [6], No. 5, May 1951, Sofiya, Bulgaria.

SC: Monthly List of East European Accessions L.C. Vol. 2, No. 11, Nov. 1953, Uncl.

EOIKOV, T.

"Determining groups of power station transformers by measuring with constant current."
Vol. 5, No. 3/4, Mar./Aprl 1954, p. 21. Elektroenergiia, Sofiya

SO: Eastern European Accessions List, Vol 3, No: 11, Nov. 1954, L.C.

BOIKOV, T.

"Establishing the short circuit between the coils in the power-line transformers."

p. 25 (Elektroenergiia, Vol. 9, no. 4, 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 9,
September 1958

SHEITANOV, Khr.; TODOROVA, N.; BOIKOVA, D.

Coulometric determination of ferroions through internal electrolysis after preliminary reduction in column with elementary silver. *Godishnik khim tekhn* 6 no.2:35-40 '59 (Publ '61).

RUMANIA / Pharmacology and Toxicology. Chemotherapeutic Agents. V-10
Antimalarial Agents.

Abs Jour : Ref. Zhur - Biologiya, No 17, 1958, No. 80724

Author : Ungureanu, Er.; Boldescu, I.; Boingoanu-Dranga, A.;
Hutu, I.

Inst : Not given

Titlo : Influence of Chlorochin (W-7618) on Malarial Parasites
(Plasmodium vivax) During Natural Infections.

Orig Pub : Studii si cercetari stiint. Acad. RPR Fil. Iasi, 1955,
Ser 2, 6, No 1-2, 111-116

Abstract : In 8 patients with malaria caused by Pl. vivax, the
therapeutic and parasitocidal effect of chlorochin (I)
was tested; an average dose of 2.5 g during 3 days was
stipulated. Fever stopped the first day; schizonts dis-
appeared in 20-30 hours, gametocytes in 48 hours. In 8
hours after the administration of 1 g of the drug, ameboid

Card 1/2

RUMANIA / Pharmacology and Toxicology. Chemotherapeutic Agents. V-10
Antimalarial Agents!

Abs Jour : Ref. Zhur - Biologiya, No 17, 1958, No. 80724

· schizonts became orbicular, compact, and were colored more intensively than usual. After the administration of 1.5 g of I, degenerative changes of the nuclei were observed, sometimes with peripheral expulsion. In large parasites, especially in the female gametocytes, agglomeration of the pigment and its expulsion from the cells was observed.

Card 2/2

BOINGEANU-DRANGA, A.

UNGUREANU, Ernest; IONESCU, Ecaterina; ~~BOINGEANU-DRANGA, A.~~; BOLDESCU, I.;
CRISMARU, V.; HUTU, I.

Studies of prevention of helminthiasis in rural areas. Bul. stiint.,
sect. med. 8 no.4:1013-1034 Oct-Dec 56.

(HELMINTH INFECTIONS, prev. & control
in Rumania, in rural areas)

BOINOV, V.

"In the Service of the People." p. 4,
(ZDRAVEN FRONT, No. 51, Dec. 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4
No. 5, May 1955, Uncl.

BOISSONNAS, R.A.; GUTTMANN, S.; HUGUENIN, R.L.; JAQUENOUD, P.A.;
RUTSCHMANN, J.

Syntheses of new analogues of oxytocin and vasopressin, Coll Cz Chem
27 no.9:2255 S '62.

1. Sandoz Ltd., Basel, Switzerland (for Rutschmann).

BOISTEANU, I.; BOISTEANU, A.

Variations of some physicochemical indexes of the Bicaz Lake
water during the first year of formation. Anal St Jassy II
10:25-30 '64.

1. Submitted October 26-28, 1961.

BOIS TEANY, I.

ROMANIA/Parn Animals. Sheep and Goats.

Abstr Jour: Ref Zhar-Miol., No 17, 1993, 70763.

Author : Jitaru, P.; Dimitrov, N.; Drutianu, S.;
Popirescu, E.; Jitaru, M.; Poisteanu, I.;
Agrimonu, M.; Dacu, V.; Mardare, A.;
Popescu, Ch.

Inst : Romanian Academy.

Title : Results of Stimulation of Metabolism in Grey Sheep.

Orig Pub: Comm. Acad. RPR, 1977, 7, No 2, 233-242.

Abstract: For purposes of stimulating metabolism, corn and oats, iodized to Zharfescu method, were introduced into the ration of 11 pregnant grey sheep, (7.87 g of iodine daily). This caused an increase of the intensity of metabolism, an

ROMANIA/Parn Animals. Sheep and Goats.

Abstr Jour: Ref Zhar-Miol., No 17, 1993, 70763.

Increase of weight and a concentration of restored glutathione in the blood. Lambs from the tested sheep differed from lambs of the control group (10 grey sheep) by more intense pigmentation, with a higher live weight, more intense growth and higher viability. In the control group, 30% of the lambs were albino and they were subsequently affected with typhoid. There were no such lambs in the group tested. -- Ye. M. Derkovich.

BOISTEANU, I. BOISTEANU, A.

Variations of some physicochemical indexes of the Bicaz Lake
water during the first year of formation. Anal St Jassy II
10:25-30 '64.

1. Submitted October 26-28, 1961.

BOITAN, Cornel

Technoscientific sessions, to support the technical progress. Munca
sindic [7] no.1:16-18 Ja '63.

1. Presedinte al comitetului sindicatului uzinele "Vulcan", Bucuresti.

BOITAN, Cornel

How we Rumanians plan the labor. Munca sindic 7 no.4:40-43 Ap '63.

1. Presedinte al comitetului sindicatului de la uzinele "Vulcan",
Bucuresti.

S/133/62/000/001/004/010
A054/A127

AUTHORS: Volkov, V. F., Sarankin, V. A., Kravchenko, V. A., Boitsov, L. I.

TITLE: Improving the smelting technology of carbon-free ferrochrome in arc furnaces

PERIODICAL: Stal', no. 1, 1962, 43

TEXT: A new method for smelting carbon-free ferrochrome in stationary 3,500 kW arc furnaces (with 420-mm diameter electrodes) was tested. The charge consisted of 4,000 kg chrome ore (55% Cr_2O_3), 1,620 kg silicochrome (50% Si) and 3,800 kg lime, (90% CaO). The new method differed from the conventional one in that silicochrome is fed in two batches: one on the furnace bottom (varying in amount), while the second part of silicochrome is added after the charge (chrome ore and lime) is smelted. 450 tests were made with Xp 0000 (Khr 0000) ferrochrome. By adding part of the silicochrome onto the bottom of the furnace, a great amount of the heat released by the heating of silicochrome could be utilized for smelting the charge, whereas when silicochrome was added later to the charge, the heat developed by the burning silicochrome is only wasted on the overheating of the charge already smelted. Optimum results were obtained when about half of

Card 1/2

Improving the smelting technologies of...

S/133/62/000/001/004/010
A054/A127

the silicochrome (800 kg) was placed on the furnace bottom and half of it added to the charge. When less than 50% of silicochrome was fed onto the bottom, the smelting of the charge was delayed; adding more, the furnace lining was affected due to the intensive smelting of the charge. When about 50% of the total silicochrome was added, a considerable amount of silicium developed, on account of the reduction of chrome and ferro-oxides. This decreased the basicity of the slag and its smelting temperature. Adding silicochrome in two batches reduced the metal losses from 4 - 5 to 2 - 3% of the smelt. The new method also made it possible to maintain the carbon content at the same level in all heats and to use the Khr0000 grade which contains not more than 0.06% C. Thus, the new process not only improves the smelting process but also the quality of the alloy. There is 1 figure.

Card 2/2

28(1)

R/009/59/12/010/030
D0019/D3001

AUTHOR: Boitsov, V.S.

TITLE: Mechanization and Automation Methods of the Small
Series Production

PERIODICAL: Metalurgia și Construcția de Mașini, 1959, Nr 12,
pp 1081 - 1085

ABSTRACT: This is a translation of an article published in the
Soviet periodical "Stanki i Instrument", 1959, Nr 8.
The use of an automatic production line is justified
only in case of mass production. In case of small
or large series production, the author recommends
the modernization and automation of universal ma-
chines and their use in a production line. The author
briefly describes the problems which arise in the
designing and standardization of such equipment.
There are 3 photos and 6 tables.

Card 1/1

BOIUKLIEV, B.

BOIUKLIEV, B. The brigade complex on Soviet collective farms. p.8.

Vol. 11, no. 10, Oct. 1956

KOOPERATIVNO ZEMEDELIE

AGRICULTURE

Sofia, Bulgaria

SO: East European Accession, Vol. 6, No. 3, March 1957

BOISNARD, J.

General Considerations about the Water Economics in the Roumanian
People's Republic. Hidrotehnica (Hydrotechnology) #4:152:Aug 57

RUMANIA

PETRUSCA, J., Colonel, Medical Corps; BOIU, A., Colonel, Medical Corps; and IANCULESCU, V., Lieutenant-Colonel, Medical Corps.

"Current Aspects of Epidemiology in Viral Hepatitis"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 308-319

Abstract: Comprehensive data about the epidemiology of hepatitis in Rumania and in Rumanian Armed Forces in particular revealed a number of paradoxical events and trends regarding the unexpected exacerbation in least likely units; seasonal and geographic changes are reported and discussed in the context of world-wide literature data, but few, if any, reliable conclusions can be reached as yet, indicating the continued need for very careful monitoring of events.

1/1

- 19 -

NICOLAU, I.; BURLUI, A.; ~~BOIU, M.~~; MANESCU, M.; GANE, R.; BALABAN, I.;
BUGSA, V.; CONSTANTINESCU, M.

Contribution to the study of cardiac-pulmonary hemosiderosis in
children. Probl. ter., Bucur. 10 no.3:25-34 '59.

1. Membru corespondent al Academiei R.P.R. (for Nicolau).
(HEMOSIDEROSIS, in inf. & childh.)
(HEART DISEASE, in inf. & childh.)
(LUNG DISEASES, in inf. & childh.)

MIHAI, G., dr.; BOIU, M., dr.; IONESCU, P., dr; MILCU, V., dr.

Contributions to the pathogenesis of the complications of influenza
(epidemic of 1959). Med. int., Bucur. 11 no. 11: 1687-1692 N '59.

(INFLUENZA, complications)

(CAPILLARIES, pathology)

(PULMONARY EDEMA, etiology)

(PNEUMONIA, etiology)

DIAMANT-PETRESCU, S.; BOIU, M.; PETRUSCA, Aurelia

The role of riboflavin in the aetiology and treatment of dermatosis in sucklings. Rumanian M. Rev. 4 no.1:60-61
Ja-Mr '60.

1. Clinical Institute of Paediatrics and Children's Home Nr.1,
Bucharest.

(VITAMIN B-2 DEFICIENCY in infancy & childhood)
(ECZEMA in infancy & childhood)

RUSFESCU, A., prof.; BOIU, M., dr.; IEREMIA-POBOREAN, V., dr.

Some new clinical and genetic aspects of familial congenital epidermolysis bullosa in the newborn. *Pediatrics (Bucur)* 14 no.1:13-18 Ja-F'65.

1. Lucrare efectuata in Spitalul clinic de pediatrie "Emilia Irsa", Bucuresti.

HORTOLOMEI, N., Academician; GHITESCU, T.; GATOSCHI, Gh.; STEFANESCU, Tr.;
BOIU, S.; PROINOV, Fr.

Experimental and clinical research on coronary circulation.
Probl. ter., Bucur., 10 no. 3: 77-85, '59.
(CORONARY VESSELS, physiology)

BOIU, Sanda

The radiological diagnosis of congenital and acquired diseases
of the aorta. Probl. card., Bucur. 4:229-280 '59.

(AORTA, diseases)

(AORTA, abnormalities)

SHINDAROV, L., kand. na med. nauki, BOIUKLIEVA, B.; BELDEDOVA, P.; GORANOV, Iv., Dots.

A virusologically proven case of pleurodynia. Suvrem. med., Sofia 9 no.4:103-107 1958.

1. Iz Republikanskata protivoepidemichna stantsia (Gl. lekar: L. Shindarov) I-va gradska detska bolnitsa - Sofia (Gl. lekar: B. Boiuklieva) i Katedra po patologoanatomia pri ISUL (Zav. katedr.: dots. Iv. Goranov)

(COXSACKIE VIRUSES,

B, isolation in pleuredynia (Bul))

BOIVIN, P.

The erythropoietic activity of the plasma. Stud. cercet. med. intern.
4 no.2:135-143 '63.

1. Professeur Agrege a la Faculte de Medicine de Paris.
(ERYTHROPOIESIS)

BOIZDZHIEV, L.; SHOPOV, Iv.

A new precision laboratory rheometer. Izv Inst khim BAN no.8:
175-179 '61.

BOJ, E.

SECRET

Prolonged sleep therapy in functional speech disorder. Polski tygod.
lek. 7 no. 5-6:131-132 4 Feb 1952. (CML 22:4)

1. Of the Otolaryngological Clinic (Head--Prof. J. Iwaszkiewicz, M. D.)
of Gdansk Medical Academy.

BOJ, E.

Changes in the tonsils in pulmonary tuberculosis. Gruzlica 21 no.2:161-164
Feb 1953. (CLML 24:4)

1. Of the Ear, Nose and Throat Clinic (Head--Prof. J. Iwaszkiewicz, M.D.)
and of the Institute of Pathological Anatomy (Head--Prof. W. Czarnocki,
M. D.), Gdansk Medical Academy and of the Tuberculosis Sanatorium (Director
--St. Frenkel, M. D.), Prabuty.

BOJ, EWA

BOJ, Ewa (Gdansk, Debinki 7. Zaklad Anatomii Patologicznej A.M.)

Elastic fibrosis of the endocardium in a 3-day-old infant.
Pediat. polska 29 no.4:415-418 Ap '54.

1. Z Zakladu Anatomii Patologicznej Akademii Medycznej w Gdansku.

Kierownik: prof. dr med. W.Gzarnocki.

(ENDOCARDIUM, diseases,

*fibrosis in newborn)

(INFANT, NEWBORN, diseases,

*endocardial fibrosis)

BITTEL-DOBRZYNSKA, N.; BOJ, E.; MADEJ, B.; MOZOLEWSKA, E.

Differential diagnosis of Letterer-Siwe disease from Hand-Schuller-Christian disease. *Pediat. polska* 29 no.9:904-909 Sept 54.

1. *Z I. Kliniki Chorob Dziecięcych Akademii Medycznej w Gdansk.*
Kierownik: prof. dr med. H. Brokman. *Z Zakładu Anatomii Patologicznej Akademii Medycznej w Gdansk.* Kierownik: prof. dr med. W. Czarnocki.
Z Zakładu Radiologii Akademii Medycznej w Gdansk. Kierownik: prof. dr med. W. Grabowski.

(RETICULOENDOTHELIOSIS,

Letterer-Siwe dis., differ. diag. from Hand-Schuller-Christian dis.)

(LIPOIDOSIS,

Hand-Schuller-Christian dis., differ. diag. from Letterer-Siwe dis.)

BOJ, EWA

BOJ, Ewa

Case of primary malignant melanoma of the liver according to the world literature; review and critical evaluation of cases of primary malignant pigmented tumors of the liver. Pat. polska 5 no.1:17-24 Ja-Mr '54.

1. Z Zakladu Anatomii Patologicznej Akademii Medycznej w Gdansk.
Dyrektor: prof. dr W.Czarnocki.

(LIVER, neoplasms,
*melanoma)

(MELANOMA,
*liver)

BOJ, Bra; RUDNIK, Jan

Malignant granuloma with tuberculosis. Pat.polska 6 no.1:41-50
Jan-Mar '55.

1. Z Zakładu Anatomii Patologicznej A.M. w Gdansk. Kierownik:
prof. W. Czarnocki i z Oddziału Onkologicznego A.M. w Gdansk.
Kierownik: prof. W. Grabowski. Adres. Zakład Anatomii Patologicznej
A.M. Gdansk i Rabka-Zdrój, Sanatorium nr.4.

(TUBERCULOSIS, PULMONARY, complications,
Hodgkin's disease)

(HODGKIN'S DISEASES, complications,
tubercul., pulm.)

NIELUBSZYC, Stanislaw; BOJ, Ewa, MARKIEWICZ, Janina

A case of Hodgkin's sarcoma. Polski tygod. lek. 10 no.13:402-405
28 Mar 55.

1. Z III Kliniki Chorob Wewnętrznych A.M. w Gdansk; kierownik;
prof. dr med. J. Penson i'z Zakładu Anatomii Patologicznej A. M.
w Gdansk; kierownik: prof. dr med. W. Czarnocki)

(SARCOMA, RETICULUM CELL,
etiol. & diag., cytol.)

(CYTOLOGY,
in diag. of reticulum cell sarcoma)

BOJ, Mwa; MALCZUK, Gerda.

Two cases of papillomatous tumors of cerebral ventricles in small children. *Pediat. polska* 31 no.9:837-840 Sept 55.

1. Z Zakladu Anatomii Patologicznej A M w Gdansk. Kierownik: prof. dr. med. W.Gzarnocki i z I Kliniki Chorob Dzieciacych A.M. w Gdansk. Kierownik: prof. dr. med. H.Brokman. Gdansk, Debinki 7, bud. 24.

(CEREBRAL VENTRICLES, neoplasms
papillomatous tumor, in inf.)

SKALSKI, Karol: BOJ, Ewa

Hypersplenic form of Besnier-Boeck-Schumann disease. Polski
tygod. lek. 11 no.30:1334-1336 23 July 56.

1. Z III Klin. Chor. Wewn. A.M. w Gdansk; kierownik: prof.
dr. J. Penson i z Zakladu Anat. Patol. A.M. w Gdansk; kierownik:
prof. W. Czarnocki, Gdansk, ul. Debinki 7, bud. 24, Zaklad Anatomii
Patologicznej.

(HYPERSPLENISM, etiology and pathogenesis,
Besnier-Boeck-Schumann dis. (Pol))
(SARCOIDOSIS, complications,
hypersplenism (Pol))

B. EXCERPTA MEDICA Sec.5 Vol.11/4 General Pathology Apr 58

1132. MORPHOLOGICAL CHANGES IN THE CNS IN INFANTS DYING FROM TOXICOSIS - Zmiany morfologiczne w ośrodkowym układzie nerwowym u niemowląt zmarłych na zespół zatrucia - Boj E. Zakł. Anat. Patol., A. M., Gdańsk - PATOL. POL. 1957, 8/1 (59-71) Tables 5

From clinical, macroscopical and microscopical examinations of the CNS in 82 infants who died from a toxic syndrome, the following conclusions are drawn: From the clinical point of view the cases may be divided into 3 groups: (1) cerebral group, (2) neurovegetative group, and (3) diarrhoeic group. In the cerebral group, the histopathological examination revealed the greatest lesions in the cortex; they mainly affected the nerve cells and had a chronic character, although acute changes also occurred quite frequently. In the neurovegetative group, lesions of the same nature were observed as in group 1. In this group, the lesions were mainly localized in the diencephalon. In the diarrhoeic group, the cerebral lesions were insignificant, principally chronic. Morphological examination alone does not make it possible to draw any conclusions with reference to the significance of cerebral lesions in the toxic syndrome.

Karlinska - Warsaw (V, 7, 8*)

Z Zakładu Anatomii Patologicznej A. M. w Gdańsku Kierownik: Prof. dr. W. Czarnocki.

BOJ, Ewa

Contribution to the pathomorphology of generalized candidiasis.
Polski tygod.lek. 15 no.13:466-470 28 Mr '60.

1. Z Zakladu Anatomii Patologicznej A.M. w Gdansk; kierownik:
prof.dr med. W. Czarnocki.
(MONILIASIS pathol.)

BOJ, Ewa; KAMINSKA, Maria

A case of Krabbe's type of diffuse cerebral sclerosis. *Pediatr pol*
36 no.2:185-192 F '61.

1. Z Zakładu Anatomii Patologicznej A.M. w Gdansk Kierownik: prof.
dr med. W. Czarnecki i z Kliniki Diagnostyki Chereb Dzieci A.M. w
Gdansk Kierownik: doc. dr med. G. Walczukewa.

(BRAIN dis)

BOJ, Ewa; RUDNIK, Irena

On the problem of mechanical bronchial obstruction in children with pulmonary tuberculosis. Polski przegl. radiol. 26 no.2:131-142 '62.

1. Z Dzieciecego Ośrodka Sanatoryjno-Prewentoryjnego w Rabce
Dyrektor: dr med. J. Rudnik i z Zakładu Anatomii Patologicznej
AM w Gdansk Kierownik: prof. dr med. W. Czarnocki.
(TUBERCULOSIS PULMONARY compl) (BRONCHI dis)

BOJ, Ewa; LESIEWSKA, Jadwiga

2 cases of congenital listeriosis. Pol. tyg. lek. 17 no.34:1345-1347
20 Ag '62.

1. Z Zakładu Anatomii Patologicznej AM w Gdansk; kierownik: prof. dr
med. W. Czarnocki i z I Kliniki Chorob Dzieci AM w Gdansk, kierownik:
prof. dr med. K. Erecinski.

(LISTERIA INFECTIONS)

POLAND

BITTEL-DOBRYNSKA, Nadzioja, KSIEZOPOLSKA, Alicja, BOJ, Ewa, BOROWSKI, Jozef, and NICHALSKA, Ewa; First Pediatric Clinic (I Klinika Chrob Dzieciacych) (Director: Prof. Dr. med. K. ERECINSKI), Department of Medical Microbiology (Zaklad Mikrobiologii Lekarskiej) (Director: Prof. Dr. med. S. KRYNSKI), and the Department of Pathological Anatomy (Zaklad Anatomii Patologicznej) (Director: Prof. Dr. med. W. CZARNOCKI), all of the AM [Akademia Medyczna, Medical Academy] in Gdansk

"Acute Candidiasis of Digestive and Respiratory Tracts in Children. Report of Three (3) Cases."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 36, 2 Sep 63, pp 1343-1345

Abstract: [Authors' English summary] Authors report three fatal cases of acute candidiasis of the respiratory and gastro-intestinal tracts in children. In two of the cases the candidiasis appeared in infants, with the infection probably contracted during labor. Jaundice appeared in all cases at the final stage of the disease. Diagnosis was confirmed by mycological and anatomopathological examination, and authors discuss difficulties in diagnosis. Of the 15 1/1 refs 4 are Polish, the others Western.

BOJ, Ewa; RUDNIK, Irena

Comparison of the clinico-radiological and anatomo-pathological diagnosis of pulmonary tuberculosis in children. Pol. przegl. radiol. 27 no.1:43-56 '63.

1. Z Dziecięcego Ośrodka Sanatoryjno-Prewentoryjnego w Rabce
Dyrektor: dr med. J. Rudnik i z Zakładu Anatomii Patologicznej
AM w Gdansk Kierownik: prof. dr med. W. Czarnocki.

(TUBERCULOSIS IN CHILDHOOD)

(TUBERCULOSIS, PULMONARY)

(THORACIC RADIOGRAPHY)

(DIAGNOSIS, DIFFERENTIAL)

BOJ, Ewa

Tuberculous deforming bronchial inflammation (bronchitis deformans tuberculosa) in children. Gruzlica 31 no.12: 1197-1206 D'63.

1. Z Zakladu Anatomii Patologicznej AM w Gdansk (kierownik: prof.dr med W.Czarnocki) [deceased] i z Dzieciecego Ośrodka Sanatoryjno-Prewentoryjnego w Rabce (dyrektor: dr med. J.Rudnik).

*

BOJ, Ewa; PIKIEL, Leonard

~~Contribution to pathogenesis of endocardial fibroelastosis~~
in children. Acta biol. med. (Gdansk) 8 no.1:1-9 '64

1. Z Zakladu Anatomii Patologicznej Akademii Medycznej w
Gdansk (Kierownik: prof. dr. Wilhelm Czarnocki).

BOJ, Bsa; WOJCIK, Barbara

A case of European torulosis of the central nervous system. Pol.
tyg. lek. 19 no.25:958-959 15 Je'64

1. Z Zakładu Anatomii Patologicznej Akademii Medycznej w
Gdan'sku (kurator: prof. dr. med. W. Czarnoski) i z Kliniki
Chorob Nerwowych Akademii Medycznej w Gdansk (kierownik:
prof. dr.med. Z. Majewska).

BOJ, Ewa

Attempted interpretation of the pathogenesis of some forms
of early primary pulmonary tuberculosis in children. Pediat.
Pol. 39 no.2:123-131 F'64

1. Z Zakładu Anatomii Patologicznej AM w Gdansk; (kierownik:
prof.dr.med. W.Czarnocki [deceased]) i z DOSP w Rabce (dyrek-
tor: dr.med. J.Rudnik).

*

NARKIEWICZ, Mirosława; DYBICKI, Jerzy; ~~BOJ, Ewa; BARTOSIEWICZ, Tadeusz;~~
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